



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Chan-Soo HWANG et al.

Group Art Unit: 2661

Serial No.: 10/694,197

Docket: 678-1213

Filed: October 27, 2003

Dated: March 29, 2004

For: APPARATUS AND METHOD FOR  
TRANSMITTING AND RECEIVING DATA  
IN A MOBILE COMMUNICATION SYSTEM  
USING SPACE-TIME TRELLIS CODE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to Applicants' continuing duty of disclosure, it is respectfully requested that the references listed in the attached form PTO-1449 be considered by the Examiner and made of record in the above-identified application. A copy of each reference is attached hereto.

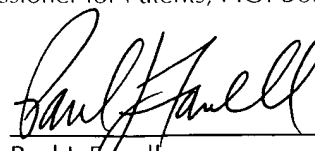
The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 29, 2004.

Dated: March 29, 2004

  
Paul J. Farrell

The listed items were cited by the European Patent Office in a counterpart application, namely Appln. No. 03078915.0. A copy of the European Search Report dated March 9, 2004 is attached hereto.


The filing of this Supplemental Information Disclosure Statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

**CERTIFICATION UNDER 37 C.F.R. §1.97(e)(2)**

Applicants submit that each item of information contained in the Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application no more than three months prior to the filing of the Statement.

Respectfully submitted,



Paul J. Farrell

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Attorney for Applicants

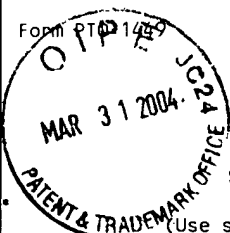
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Form PTO-1449 	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 678-1213	SERIAL NO. 10/694,197
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		
	APPLICANTS Chan-Soo HWANG et al.		FILING DATE October 27, 2003

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 02/07373	1/24/2002	PCT			X	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		1.	European Search Report dated March 9, 2004 issued in a counterpart application, namely, Appln. No. 03078915.0.
		2.	Tujkovic, "High Bandwidth Efficiency Space-Time Turbo Coded Modulation", 2001 IEEE, pp. 1104-1109.
		3.	Robertson, "Bandwidth-Efficient Turbo Trellis-Coded Modulation Using Punctured Component Codes", IEEE Journal on Selected Areas in Communications, Vol. 16, No. 2, February 1998, pp. 206-218.
		4.	Yuan et al., "Soft Concatenation of Space-Time Block Codes and Multilevel Coding", 2001 IEEE, pp. 1165-1169.

EXAMINER	DATE CONSIDERED
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.